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The Delphion Integrated ViewGet Now: ☒ PDF | [More choices...](#)Tools: Add to Work File: [Create new Work](#)View: [INPADOC](#) | Jump to: [Top](#) Go to: [Derwent](#)[Email](#)Title: **JP63215694A2: 2'-DEOXY-2'(S)-ALKYLPYRIMIDINE NUCLEOSIDE D**Derwent Title: 2'-Deoxy-2'(S)-alkyl:pyrimidine nucleoside derivs. - used as active component in antiviral drugs [\[Derwent Record\]](#)Country: **JP** JapanKind: **A** (See also: [JP06099467B4](#))Inventor: **UEDA TORU;**
MATSUDA AKIRA;
TAKENUKI KENJI;
MACHIDA HARUHIKO;Assignee: **YAMASA SHOYU CO LTD**
[News, Profiles, Stocks and More about this company](#)Published / Filed: **1988-09-08 / 1987-03-04**Application Number: **JP1987000049540**IPC Code: **C07H 19/09; C07H 19/10; A61K 31/70; C07H 19/06; C07H 19/067;**Priority Number: **1987-03-04 JP1987000049540**

Abstract: NEW MATERIAL: A compound expressed by formula I (R1 is amino or OH; R2 is H or lower alkyl; R3 is lower alkyl; R4 is H or phosphoric acid residue) or salt thereof.
EXAMPLE: 2'-Deoxy-2'(S)-methylcytidine.
USE: An antiviral agent.
PREPARATION: A saccharide part at the 2'-position of a compound expressed by formula II (R5 is alkoxy; Z is protecting group) is alkylated with an alkylating agent to provide a compound expressed by formula III. The OH group at the 2'-position of the compound expressed by formula III is then acylated, reduced with a reducing agent and deprotected to afford a compound expressed by formula IV. The base part at the 4-position of the compound expressed by formula IV is subsequently hydrolyzed or aminated and, as desired, the saccharide part at the 5'-position is then phosphorylated.
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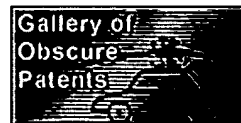
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| PDF | Patent | Pub.Date | Inventor | Assignee | Title |
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